Oct. 30, 1928. 1,689,510

L. B. WACKMAN

CLOSURE SEAT FOR METALLIC CONTAINERS

Filed Nov. 16, 1925

Fig. 1.

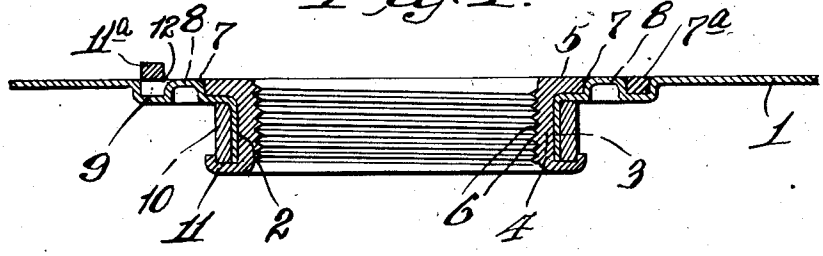
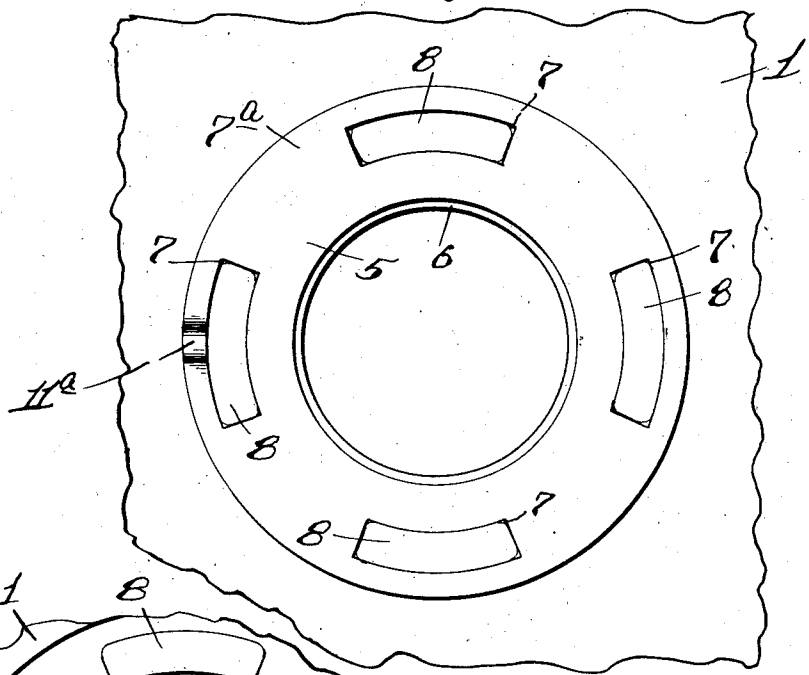


Fig. 2.



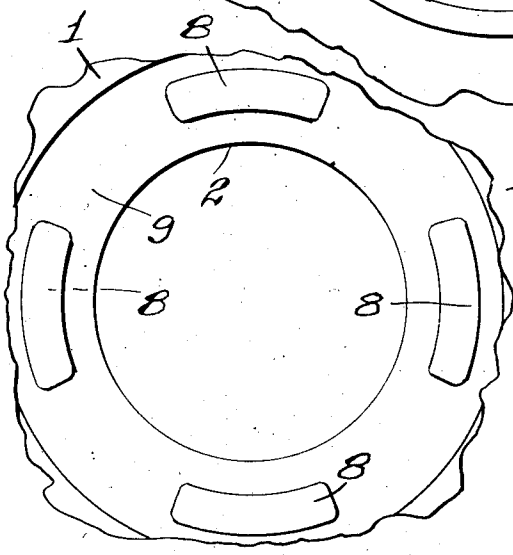


Fig. 3

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UNITED STATES PATENT OFFICE.

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CLOSURE SEAT FOR METALLIC CONTAINERS.

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This invention relates to an improvement in metallic containers or barrels used in oil shipping and the like, the primary object of the invention being to provide an improved construction of closure seat with which a plug or closure member is co-operable.

Another object of the invention is in providing an improved method of securing the closure seat to the barrel.

A further object of the invention is in providing an improved method of interengaging portions of the barrel with the closure seat for preventing the closure seat being turned during the mounting or removing the plug to or from the closure seat.

A still further object of the invention is in providing stiffening means to the barrel material surrounding the closure seat.

Other and further objects will appear in the specification and be specifically pointed out in the appended claims, reference being had to the accompanying drawings, exemplifying the invention, and in which:—

Figure 1 is a vertical transverse section taken through a portion of the barrel head showing this improved closure seat secured thereto.

Figure 2 is a fragmentary plan view of Fig. 1.

Figure 3 is a fragmentary plan view of a portion of the barrel head which surrounds the opening provided in the head and showing portions formed in the head for co-operation with the closure seat.

Referring by numerals to the accompanying drawings, 1 designates a portion of a sheet metal barrel head having an opening 2 formed therein, the material surrounding said opening being depended downwardly forming a neck 3, and mounted in said opening is a depending annular portion 4 of a closure seat 5, said portion 4 being threaded interiorly as designated at 6.

The closure seat 5 is provided with a plurality of elongated openings 7 which are arranged circumferentially of the portion 4 in the horizontal flange 7^a, each of said openings being for the reception of a respective raised portion 8 which is formed on the barrel head 1. The raised portions 8 are formed from the countersunk portion 9 of the barrel head 1.

Mounted over the depending annular portion 4 of the closure seat 5 is a collar 10, and adapted to be rolled over the lower edge of the collar 10 is a marginal portion 11 which is formed in the lower end of the annular portion 4, the rolling operation of said marginal portion against the collar 10 sealing said portion in underlapping position against the collar 10.

In the use of the ordinary type of closure seats with a co-operating plug, large wrenches are engaged on the plug with considerable force, and quite often the sealing connection of the closure seat with the barrel is broken, and the closure seat permitted to turn in the barrel opening thus making it difficult to remove the plug as well as causing a leak between the barrel head and the closure seat. With this improved closure seat, the seat will be prevented from turning by reason of the raised portions 8 being in interengagement with the openings 7 of the closure seat, and the plug can always be tightened or removed in the closure seat without loosening the seat and causing a leak.

For providing means for securing an identifying tag or the like to the barrel, or for sealing the plug to the closure seat, a portion 11^a of the flange 7^a adjacent one of the openings 7 is bent upwardly, thereby providing an aperture 12 between the barrel head 1 and the portion 11, said aperture being for the reception of the wire of the indentifying tag.

If it is desired it is obvious that a gasket can be located on the counter-sunk portion 9 adjacent the inner margin thereof beneath the flange 7^a of the closure seat 5.

What I claim is:—

1. A sheet metal container having an aperture formed in one of its walls, a closure seat having an interiorly threaded body portion located in the aperture of said wall, said wall having a counter-sunk part formed around the aperture thereof, said body portion of said closure seat having an outwardly extending flange which is seated in said counter-sunk part, said flange of said body portion being provided with a plurality of openings, and a plurality of raised portions formed in said wall for engagement with respective openings of said flange.

2. A sheet metal container having an aperture formed in one of its walls, the material surrounding said aperture forming a depending neck, a closure seat having an interiorly threaded body portion and having

an apertured outwardly extending flange mounted in the aperture of said wall, and a plurality of raised portions formed in said wall arranged circumferentially of said neck, each being for engagement with a respective aperture of said flange of said body portion.

3. A sheet metal container having an aperture formed in one of its walls, the material surrounding said aperture forming a depending neck, a closure seat having an interiorly threaded body portion and having an outwardly extending apertured flange mounted in the aperture of said wall, and a plurality of raised portions formed in said wall arranged circumferentially of said neck, each being for engagement with a respective aperture of said flange of said body portion, said body portion having an outwardly bendable portion for underengaging the lower end of said neck.

4. A sheet metal container having an aperture formed in one of its walls, the material surrounding said aperture forming a depending neck, a closure seat having an interiorly threaded body portion and having an outwardly extending apertured flange mounted in the aperture of said wall, a plurality of raised portions formed in said wall circumferentially of said neck each being for engagement with a respective aperture of said flange, and an annular reinforcing body mounted over said neck, said body portion of said closure seat having an outwardly bendable portion for underengaging the lower end of said neck and said reinforcing body.

5. A sheet metal container having an aperture formed in one of its walls, the material surrounding said aperture forming a depending neck, a closure seat having an interiorly threaded body portion depended in said neck, a reinforcing collar mounted over said neck, the marginal edge of said body portion depending beyond said neck and rolled against the lower edge of said neck and said collar.

6. A sheet metal container having an aperture formed in one of its walls, a closure seat having an interiorly threaded body portion and having an annular flange extending therefrom located in the aperture of said wall, said flange of said body portion being provided with a plurality of openings, and a plurality of raised portions formed in said wall for engagement with the openings of said flange.

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